

[illegible]

Board IMPSW

100n

C12

1M

R15

C13

Y4

8 Ohm

GND

2 Ohm

S2

The schematic diagram illustrates the internal circuitry of the AT89C55WD microcontroller. The microcontroller (IC2) is connected to an 8x2K2 ROM (RN1) and an ADC0838 (IC6). The microcontroller's pins are connected to various components, including a 4MHz crystal oscillator (Q1) and a 4MHz clock source. The microcontroller is interfaced with an 8255 PPI (IC5) and an 8255 A/D Converter (IC7). The circuit also includes a 7805 voltage regulator (IC7) and a 7815/7915 dual voltage regulator (IC8). The output stage includes a relay (REL1, REL2) and a speaker (SPEAKER+). The circuit is powered by a 19V 0.5A AC source (AC1) and a 24V source (-24V).

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